

# Concept Lists (2010-11) By Subject and Paper

## Arts - Lab

### I

#### **Construct. Of Drawing-music Playing Harmonium**

Construction of drawing with diff. Objects & palying harmoniam

#### **Construction Of Objects-intro. Instruments**

Construction of objects & info. Of diff. Instruments

#### **Craft-dance**

Craft & dance assignments will be conducted.

#### **Drawing - Shapes Geometrical/music-rhymes**

Making geometrical shapes & rhymes

#### **Drawing And Colouring-music Action Song**

Methods of colouring & action songs

#### **Drawing Base On Geometrical-music- Saregama**

Drawing base on geometrical-music- saregama

#### **Drawing- Digits & Letters/music - Beats / Song**

Drawings based on digits and letters & intro of beats

#### **Drawing -natural Shapes-music- Alankar**

Construction of natural shapes & music -alankar

#### **Introduction Drawing Lines/music-rhymes**

Types of lines and shapes & music rhymes

#### **Nature Drawing/music- Pitches**

Drawing of natural object & types of pitches

#### **Sketching And Colouring Drawing / Music Alankar**

Sketching and colouring drawing / music alankar

### II

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Drawings based on digits and letters & intro of beats

#### **Drawing -natural Shapes-music- Alankar**

Construction of natural shapes & music -alankar

#### **Geometrical Shapes Drawing Based On Shapes**

Drawing based on geometrical shapes

#### **Introduction Drawing Lines/music-rhymes**

Types of lines and shapes & music rhymes

#### **Nature Drawing/music- Pitches**

Drawing of natural object & types of pitches

#### **Sketching & Coloring\_drawing/music- Alankar /songs**

Making drawings music-alankar songs

### III

#### **Composition Design/music-sound Experiments**

Types of shapes, composition of objects & exprements with sound.

#### **Composition-memory/ Music Classification Of Instruments**

Composition-memory drawing & classification of diff. Instruments

#### **Craft/dance**

Craft & dance assignments will be conducted.

#### **Design/music-verious Scales**

Making design for diff. Topics & info. Of scales

#### **Drawing And Colouring / Music**

Diff types of drawings-info of music

#### **Drawing- Colouring Techniques/ Music-songs**

Diff. Colouring methods & song practice

#### **Drawing Digits & Lines**

Drawing based on digits & lines

#### **Drawing Line Drawing/music- Alankar**

Liniar drawing & info. Alankar

#### **Drawing Shapes/music-music-saregama**

Drawing diff. Shapes & sa, ra. Ga. Ma, saptak

#### **Human Figure/music-practicing Sargam**

Construction of human figures & practicing sargam.

#### **Natural Shape/music-beats**

Drawing of natural objects & musical beats

#### **Print Making/ Music-song**

Method of print making & practicing song

#### **Symmetrical Freehand/music-pitches**

Method of making symmetrical fdreehand & types of pitches

### IV

#### **Composition Design/music-sound Experiments**

Types of shapes, composition of objects & exprements with sound.

#### **Composition-memory/ Music Classification Of Instruments**

Composition-memory drawing & classification of diff. Instruments

#### **Craft/dance**

Craft & dance assignments will be conducted.

#### **Design/music-verious Scales**

Making design for diff. Topics & info. Of scales

#### **Digits & Lines**

Drawings with the halp of digits

## **Drawing And Colouring / Music**

Diff types of drawings-info of music

## **Drawing- Colouring Techniques/ Music-songs**

Diff. Colouring methods & song practice

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Linier drawing & info. Alankar

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Method of print making & practicing song

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Method of making symmetrical freehand & types of pitches

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## **V**

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### **Colour Theory/music-song Practice collage Work**

Primary/secondary colours

### **Craft-dance**

Craft-dance assignments will be conducted.

### **Design/music-intro Ragas**

Types of shapes, positive negative space & info. Ragas

### **Design/music-song Practice**

Composition of design & song practice.

### **Design/music-understanding Tâal**

Making design for diff. Subjects. & understanding taal.

### **Fabric Painting/music-various Instruments**

Methods of fabric painting & info. Various instruments.

### **Freehand/music -practicing Scales**

Types of freehand, basic shapes & scale practicing

### **Freehand/music-intro. Saptak**

Nonsymmetrical freehand & saptak

### **Human Figures/music Notation Reading**

Symmetrical freehand & notation reading

### **Manmade Object/practicing Taal & Alankar**

Construction of objects & alankar

### **Memory Drawing/music-notation Singing**

Colouring methods of memory drawing & notation singing

### **Nature Drawing/music Taat**

Study of natural objects and intro of taal.

### **Still Life/music- Playing Harmonium**

Study of still-life shade /lite & playing harmonium

### **Still Life/music-info. Of Instruments**

Study of angle, shade, lite, & info. Instruments

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## **VI**

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### **Colour Theory/music-song Practice**

Primary/secondary colours

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Craft-dance assignments will be conducted.

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Types of shapes, positive negative space & info. Ragas

## **Design/music-song Practice**

Composition of design & song practice.

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Nonsymmetrical freehand & saptak

## **Human Figures/music Notation Reading**

Composition of memory drawing & notation singing

## **Manmade Object/practicing Taal & Alankar**

Construction of objects & alankar

## **Memory Drawing/music-notation Singing**

Composition of memory drawing & notation singing

## **Nature Drawing/music Taat**

Study of still-life shade /lite & playing harmonium study of natural objects and intro of taal.

## **Still Life/music- Playing Harmonium**

Study of still-life shade /lite & playing harmonium

## **Still Life/music-info. Of Instruments**

Study of still-life shade /lite & playing harmonium

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## **VII**

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### **Craft/dance**

Assignments related craft & dance will be conducted

### **Design/basic Info Western Music**

Composition of design, colour schemes, & basic info. Of western music

### **Design/basic Ragas**

Composition of design according to sub. & basic ragas from indian music

### **Free Hand/basic Info. Karnatak Music**

### **Hand/basic Info. Karnatak Music**

Basic freehand, norms of freehand & intro of karnatak music

### **Freehand /various Forms Of Music**

Nonsymmetrical freehand & info. Of diff. Forms of music

### **Memory Drawing/basic Taal**

Construction of human figures & learning taal.

### **Memory Drawing/practicing Ragas**

Composition of memory drawing & practicing diff. Ragas

### **Nature Drawing/notation Singing**

Study of natural objects & notation singing

### **Object Drawing/notation Reading**

Drawings of man made objects & shade / lite, notation reading

### **Print/glass Painting/main Information Of Ragas**

Methods of fabric painting

### **Still-life/songs Based On Ragas**

Methods of making still life shade/lite

### **Story Board/practicing Tal**

Making story boards for diff. Stories. & practicing taal

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Nonsymmetrical freehand & info. Of diff. Forms of music

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Construction of human figures & learning taal.

### **Memory Drawing/practicing Ragas**

Composition of memory drawing & practicing diff. Ragas

### **Nature Drawing/notation Singing**

Study of natural objects & notation singing

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Drawings of man made objects & shade / lite, notation reading

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Methods of fabric painting

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## **Biology - Theory**

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### **XI**

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### **Cell & Cell Division**

Structure of cell, prokaryotes & eukaryotes, cell division - mitosis, meiosis, study of tissue - epithelial, connective, muscular, nervous

### **Diversity Of Life**

Sytematics - binomial nomenclature, classification of plants, classification of animals

### **Genetics**

Genetic basis of inheritance, chromosomal basis of inheritance

### **Living World**

Nature & scope of biology, main features of life, origin & evolution of life

### **Morphology Of Animals**

Earthworm - external features, digestive system, reproductive system

### **Morphology Of Plants**

Morphology of flowering plant - parts of flower, formation of seed & fruit

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## **XII**

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### **Application Of Biology**

Biofertilizers, medicinal plants, vermiculture, fisheries

### **Biology In Human Welfare**

Biotechnology, human population, health & disease, cancer, aids, typhoid, immune system, biomedical techniques - sphygmomanometre, haemometre, ecg, sonography, elisa, widal test, bioinformatics

### **Ecology & Environment**

Water resources, forest resources & their conservation, concept of endangered & endemic species, remote sensing for plant vegetation

### **Physiology Of Plants & Animals**

Plant water relation-absorption, translocation, transpiration, photosynthesis, respiration, circulation in animals, osmoregulation, excretion in animals, nervous coordination & hormonal coordination in

### **Reproduction, Growth & Development**

Reproduction in angiosperm - sexual/asexual - natural & artificial, pollination & fertilization, reproduction & development in animals - male & female reproductive system, menstrual cycle, fertilization

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## **Biology - Lab**

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### **XI**

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### **Dissection**

Reproductive system & digestive system of earthworm

### **Identification**

Permanent microslides - histology, classification, modification of root, stem & leaf

### **Microscope**

Parts of microscope, t. S. Of monocot & dicot

### **Physiology**

Carbohydrate, protein & lipid test

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## **XII**

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### **Dissection**

Reproductive system, nervous system of earthworm

### **Identification**

Biofertilizers, vegetative propagation, medicinal plants, blood, permanent slides, osteology-bone, fishes

## Physiology

Osmosis, plasmolysis, stomata, photosynthesis, respiration - aerobic/anaerobic, paper chromatography

## Book Keeping & A/c - Theory

### XI

#### Procedure For Accountancy

Identification of direct expenses, indirect expenses, differentiating between revenue exp/income and capital exp/income preparing trading a/c, profit & loss a/c and balance sheet

#### Procedure Involved In Bk

Journal, subsidiary books, ledger and trial balance

#### Theoretical Base Of Bk And A/cancy

Introduction to book-keeping, concepts & conventions, basic a/c ing terminology, systems of a/c ing, classification of a/c, sources of documents

#### Verification And Rectification Of Errors

Bank reconciliation statement, identification of types of error and rectify those errors

### XII

#### Accountng Treatment

Depreciation, fixed installment method  
Writtern down value method, bills of exchange

#### Accounts - Not For Profit Concern

Preparation of income and expenditure a/c & opening balance sheet and closing balance sheet

#### Accounts- Joint Venture

Preparation of joint venture a/c, co-venturer's a/c and joint bank a/c

#### Accounts Of Partnership Firm

Partnership final accounts, trading a/c profit & loss a/c balancer sheet, partner's capital a/c and goodwill of partnership firm  
Partner's current a/c  
Adjustments

#### Computer Awareness

Need for computer awareness in bk & a/c and tally

#### Single Entry System

Opening statement of affairs, closing statement of affairs and statement of profit & loss

## Chemistry - Theory

### XI

#### Atom

## Chemical Combination

## Chemical Reaction & Equilibrium Between Them

## Chemistry Of Organic Substance

## Classification Of Elements

## Matter

## Properties Of Solid & Liquid Depending On Nature Of Substance

### XII

#### Applied Chemistry

Analgesic & antibiotics used in everyday life, physical methods of food preservation & synthetic fibres

#### Atom

Internal structure of nucleus, application of nuclear reaction & radioactivity

#### Bio-chemistry

Carbohydrates, fats & proteins

#### Chemical Reactions & Equilibrium Between Them

Ionisation, dissociation, hydrolysis, buffer & its mechanism, order of reaction & molecularity

#### Chemistry Of Carbon Compounds

Prep & reaction of alkyl halides, acids, esters, alcohols, phenols, aldehydes, ketones, ethers & amines

#### Classification Of Elements

Transition & inner transition elements

#### Energies & Its Conversion

Electrochemical cells, fuel cell, corrosion, nature of work & heat

#### Matter

Types of solutions & their colligative properties

## Chemistry - Lab

### XI

#### Physical Experiments

#### Qualitative Analysis

#### Volumetric Analysis

### XII

#### Adultration Of Food

#### Organic Spotting

#### Physical Experiments

#### Qualitative Analysis

#### Volumetric Analysis

# Computer Application - Lab

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## I

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### Drawing

Paint

### Introduction To Computers

Parts of computer

### Knowing Directions

Step by step planning

### Mouse Activity

Educational games

### Typing Activity

Educational games

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## II

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### Activity

Educational games

### Drawing

Paint

### Introduction To Computer

Uses of computers, parts of computer

### Knowing Directions

Knowing turtle steps

### Working Step By Step

Step by step planning

### Working With Computer

Switching on of computer

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## III

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### Basic Programming

Logo

### Drawing

Paint

### Instructions

Flowchart

### Introduction To Computers

Types of computers, working

### Operating System

Input, output devices

### Word Processing

Wordpad

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## IV

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### Algorithm

Step-wise planning

### Computer Fundamentals

H/w, input/output devices

### Drawing / Colouring

Paint

### Operating System

Windows environment

### Programming

Logo

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## Word Processing

Ms-word

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## V

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### History Of Computers

Development, geneartions, h/w

### Internet

Networking

### Ms-office

Ms-word, powerpoint, spreadsheet

### Operating System

Windows

### Programming

Logo

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## VI

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### Familiarity With Computers

General operation, windows

### History Of Computers

Development, generations, h/w

### Internet

Networking

### Ms-office

Ms-word, powerpoint, spreadsheet

### Programming

Qbasic

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## VII

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### Data Organisation

Ms access

### History Of Computers

Development, generations, h/w

### Internet

Networking

### Ms-office

Spreadsheet

### Multimedia

Flash

### Programming

Q basic

### Three Dimentional Modelling

Sketch up

### Webpage Designing

Front page

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## VIII

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### About A Computer

H/w, networking

### Database

Ms-access

### Designing Web Page

Frontpage, html

### Modelling

Sketch up

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## **Ms-office**

Spreadsheet

## **Operating System**

Desktop, control panel, windows environment

## **Programming**

Qbasic

## **Economics - Theory**

### **XI**

**Aids To Trade**

**Company Meetings**

**Current Challenges In The Indian Economy**

**Human Activities**

**Internal Trade**

**Introduction To Statistics**

**Joint Stock Company**

**Procedure Involved In Bk**

**Secretary**

**Structural Changes In The Indian Economy Since**

**Theoretical Base Of Bk And A/cancy**

### **XII**

**Macro Economics Determinants Of Aggregates**

**Macro Economics Governmet Budget And The Economy**

**Macro Economics Introduction**

**Macro Economics Money And Banking**

**Macro Economics National Income**

**Micro Economics Consumer Behaviour And Demand Analysis**

**Micro Economics Factors Of Production**

**Micro Economics Forms Of Market And Price Determination**

**Micro Economics Introduction**

**Micro Economics Producer Behaviour And Supply Analysis**

## **English (L1) - Language**

### **JrKG**

**Activity Based Learning**

**Alphabets**

**Do As Directed**

**Poem (Ii Term)**

**Poem(I Term)**

**Revision Of I Term**

**Revision Of Ii Term**

**Site Words**

**Small Alphabets**

**Stories(I Term)**

**Stories-(Ii Term)**

**Strokes**

### **SrKG**

**Alphabets**

Recognition, capital and small

**Days Of The Week**

**English Lab**

Building vocabulary, formation of words and sentences

**Homes**

**Opposites**

**Plurals**

**Poem (Ist Term)**

**Poem(Iind Term)**

**Rhyming Words**

**Site Words**

2, 3, 4, 5 and 6 letter words

**Stories(Iind Term)**

**Stories(Ist Term)**

**Young Ones**

### **I**

**Adjective**

Possessive adjective his / her / our

**Articles**

Using "a" and "an"

**Conjunction**

Using and / but

**Cursive Writing**

Pencil hold, anticlock wise, clock wise letters etc

**Modals**

Can / cannot

**Noun**

Common noun and proper noun

**Preposition**

Opposites using preposition

**Pronoun**

Using he, she, it, they, this, that, these, those

**Revision**

Revision of various chapters

**Sentence**

Simple sentences and punctuations

**Tense**

Simple present tense

**Verb**

Making sentences and answering using he is / she is / isn't

**II****Adverb**

Using words like always, never.

**Articles**

Indefinite articles

**Cursive Writing**

Steps of writing English alphabets in capital & small

**Poem**

Recitation of poem

**Preposition**

Preposition of place

**Pronoun**

Usage of words-he, she, it this these, those.

**Tense**

Simple present tense, past tense. (habit, general truth)

**Verb**

Action words ending with ing

**III****Adjective**

To+verb, comparatives & superlatives

**Adverb**

Always, sometimes, and never

**Articles**

Going to + verb, look + adjective

**Conjunction**

Instead, but and perhaps

**Cursive Writing**

Pencil hold, anticlock wise, clock wise letters etc

**Modals**

Modals- may, must

**Nouns**

Countable and non countable nouns

**Phrase**

Prepositional phrases of place, so and but

**Poems**

Recitation of poem

**Preposition**

Next to, between, in front of, and behind

**Pronouns**

Reflexive, indefinite pronoun

**Revision**

Revision of various chapters

**Tense**

Gerunds, the present perfect tense

**Tense/clause**

Gerunds, tense, clauses

**Verb**

Past simple; regular verbs

**IV****Adjective**

Describing words, one adjective for many words, degree of comparison.

**Adverb**

Adverbs of manner, place, time

**Clause**

Noun clause, adverbial clause, adjectival clause.

**Cursive Writing**

Techniques of cursive writing

**Irregular Verb**

Past simple irregular verbs

**Kinds Of Sentence**

Declarative or assertive imperative, interrogative exclamatory.

**Poems**

Sounds, rhyming words

**Preposition**

Prepositions of place, direction, time

**Revision**

Revision of lessons

**Structure**

Like or likes, negatives

**Tense**

The future -going to

**Verb**

Special verbs

**V****Adjectives**

Degree of comparison

**Adverbs**

Def. Of adverb & kinds of adverbs

**Clauses And Phrases**

Def. Of clause & phrase with egs.

**Conjunctions**

Def. & list of conjunctions

**Cursive Writing**

Techniques of cursive writing

**Figures Of Speech**

Diff. Types of figures of speech

**Nouns**

Def. Of nouns & kinds of nouns

## **Participle**

Def. Of participle & kinds of participles

## **Revision**

Revision of the portion has to be taken

## **Rhyming Words**

To identify words with same sound in the poem

## **Tenses**

Kinds of tenses

## **Verbs**

Expl. With egs.

## **Voices**

Active & passive voice

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## **VI**

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### **Adjectives - Kinds & Comparison**

Kinds of adjectives & degree of comparison

### **Adverb 'too'**

Kinds of adverbs

### **Adverbs & Adjectives**

Kinds & egs. Of adverbs & adjectives

### **Compound Sentences**

Types of sentences

### **Conjunctions**

Def. & list of conjunctions

### **Cursive Writing**

Techniques of cursive writing is to be taught

### **Figures Of Speech**

Diff. Types of figures of speech

### **Infinitives & Gerunds**

Usage of 'to' & 'ing' form of verbs

### **Participles**

Present & past participles

### **Phrases & Clauses**

Def. Of phrase & clause with egs.

### **Pronouns - Kinds**

Kinds of pronouns

### **Revision**

Revision of portion

### **Rhyming Scheme**

To find out the rhyming scheme in the poem

### **Tenses**

Kinds of tenses

### **Types Of Sentences**

Diff. Kinds of sentences simple, compound & complex

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## **VII**

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### **Adjectives-kinds / Comparison**

Degree of comparison

### **Alliteration**

Figures of speech

### **Clauses - Kinds**

Adverb clause of time

### **Conjunctions (Sub. /co-or.)**

List of conjunctions

## **Cursive Writing**

Techniques of cursive writing

## **Homophones & Homonyms**

Def. & egs.

## **Indirect Speech**

Direct & indirect speech

## **Infinitive**

Using 'to' form in verbs

## **Metaphor**

Figures of speech

## **Participles (Present / Past)**

Present & past participles

## **Revision**

Revision of portion

## **Rhyming Scheme**

To find rhyming scheme in a poem

## **Simile, Metaphor**

Figures of speech

## **Tenses**

Kinds of tenses

## **Usage Of 'would'**

'would' to be used in proper way

## **Verbs**

'ing' & 'to' form of verbs

## **Voice**

Active & passive voice

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## **VIII**

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### **Adverbs**

3 types, one which modifies an adjective, an adverb which modifies the verb, and which modifies a sentence

### **Analysis Of Complex Sentences**

By breaking complex sentences in simple parts to analyse them

### **Clauses**

, adjective clause, adverb clause, noun clause, relative clauses-restrictive and non-restrictive

### **Degree Of Comparison**

Positive, superlative, comparative

### **Figures Of Speech**

Simile, metaphor, personification

### **Idioms**

Natural manner of speaking to a native speaker of a language

### **Kinds Of Sentences**

Simple, compound, complex

### **Prepositions**

Definition, examples

### **Question Tags**

Short addition to sentence for confirmation

### **Reflexive Pronouns**

When the object of a clause refers back to the subject like myself, ourself, themselves etc

## Reported Speech

Indirect speech-when words are reported by some one else in his/her own words

## Revision-2nd Term

Revision of syllabus for 1st term

## Revision-1st Term

Revision of 1st term portions-lessons, poems

## Rhyming Scheme

Scheme of rhyme formation in the poetry

## Synthesis Of Sentences

Definition, examples

## Tenses

Simple, past, future, past perfect, present continuous

## Types Of Sentences

Imperative, exclamatory, assertive sentences

## Voice

Active, passive voice

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## IX

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### Affirmative/negative

Affirmative and negative sentences illustrate the 2 forms of assertive sentence

### Analysis Of Complex Sentences

Breaking the complex sentences into simpler units, so as to analyse it in parts and as a whole

### Appreciation

Critically evaluating a poetry or some piece of information by understanding the subtle elements

### Appreciation Of Poetry

Critically analysing a poetry by understanding the underlying meanings

### Change The Voice

Changing the voice from active to passive voice and vice-versa

### Degrees Of Comparision

Positive, superlative and comparative degrees

### Figures Of Speech(Alliteration Repetation)

Alliteration, repetition

### Figures Of Speech(Antithesis, Inversion)

Anthithesis, inversion

### Figures Of Speech(Personification)

Words in the poem are referred to as if they are human beings

### Indirect Speech

Words are reported by some one else in his/her own words

### Infinitive/gerund/participles

Kinds of non-finite verbs, infinite(present, perfect infinite), participle(present, past), gerund functions like a noun

### Letter Writing

Kinds(personal, business, official, letters for application), format of letter writing

### Poetic Devices

Rhyme scheme, rhyming words

### Question Tag

Short addition to sentence for confirmation

## Rapid Reading

Develop reading skill

## Reported Speech

Also referred to as the 'indirect speech'. When the words are reported by some one else in his/her own words, it is called a reported speech'

## Revision-1st Term(A)

Syllabus of prose, poems, grammar for 1st term

## Revision-2nd Term

Syllabus of prose, poems, grammar for 2nd term

## Rhyming Scheme

Rhyming couplets

Rhyming couplets

## Simple, Complex, Compound Sentences

Sentence having only 1 finite verb -simple sentence, sentence having 2 or more principal clauses (compound sentence), sentence made up of one main clause & one or more subordinate clause-complex

## Synthesis Of Sentences

Simple, compound, complex

## Tenses

Tense is the form taken from the verb to indicate the time of action. 3 main tenses-present, past, future

## Wh Questions

Questions with who, what, when, where etc

## Word Formation (Noun, Adjective, Verb, Adverb)

Parts of speech. Noun is a naming word, adjective is a word used with a noun to add some thing to its meaning, verb is a word or phrase that says or asserts some thing about a person or thing.

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## X

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### Affirmative/negative

Rules of changing affirmative to negative

### Analysis Of Complex Sentences

Changing to compound, simple

### Analysis Of Compound Sentence

Changing to complex, simple

### Appreciation

Rhyming words, rhyme scheme

### Change The Voice

Use and rules for changing active to passive

### Degrees Of Comparision

Positive, comparative, superlative

### Dialogue Writing

Format and points of conversation

### Figures Of Speech(Alliteration, Repetation)

Based on sound

### Figures Of Speech(Antithesis)

Based on contrast

### Figures Of Speech(Inversion, Apostrophe)

Based on arrangement of words

### Figures Of Speech(Simili, Metaphor)

Based on similarity

### Indirect Speech

Rules for changing indirect to direct speech

## **Infinitives/gerunds/participles**

[verb+ing]used as verb, adjective, noun

## **Information Transferred**

Transforming passages in tabular form, etc. And vis a versa

## **Interview Writing**

Format and questions based on the topic

## **Kinds Of Sentence**

Simple, compound, complex

## **Letter Writing**

Formal, informal

## **Modal Aux.**

Used for expressing possibility, obligation, suggestion, request, permission etc.

## **Poetic Device**

Rhyme words, rhyme scheme, figures of speech

## **Question Tag**

Short addition to sentence for confirmation

## **Rapid Reading**

Develop reading skill

## **Revision I**

Fact-file

## **Rhyming Scheme**

Rhyming couplets

## **Speech Writing**

Introduction, address, content, conclusion

## **Synthesis Of Sentences**

Assertive, interrogative, imperative, exclamatory

## **Tenses**

Simple, continuous, perfect

## **Wh-questions**

Usage of wh-words[what, why, when, where, etc. ]

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## **XI**

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### **Appreciation**

Rhyme scheme, figures of speech

### **Degrees Of Comparison**

Transformation of positive, comparative and superlative

### **Gerunds & Infinitives**

[verb+ing] used as noun

### **Kinds Of Sentences**

Simple, compound, complex and their transformation

### **Modal Auxiliary**

Used for expressing permission, possibility, request etc.

### **One-act Play**

### **Paraphrasing**

### **Poetic Devices**

Rhyme, internal rhyme, figures of speech

### **Question Tags**

### **Rapid Reading**

Develop reading skill

### **Reported Speech**

Rules for changing direct to indirect

## **Tenses**

Simple, continuous, perfect, perfect continuous

## **Transformation Of Sentences (Misc.)**

Simple to compound, complex

## **Types Of Sentences**

Assertive, interrogative, imperative, exclamatory

## **Voice**

Active, passive

## **Wh-questions**

Usage of wh-words[what, why, when, where, who, etc. ]

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## **XII**

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### **Appreciation Of Poem-figurative Language**

Figures of speech

### **Articles, Prepositions, Linking Words**

Definite, indefinite articles

### **Classification Of Noun, Adverb, Adjective**

Types based on the functions

### **Clauses**

Adjective, adverb, noun clause

### **Degrees Of Comparison**

Positive, comparative, superlative

### **Participles**

Adjective, verb, gerunds

### **Rapid Reading**

Short stories

### **Revision**

Identifying clauses, transforming degrees

### **Tenses**

Simple, continuous, perfect, perfect continuous

### **Types Of Sentences**

Assertive, interrogative, imperative, exclamatory

### **Voice**

Active, passive

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## **English (L1) - Lab**

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## **XII**

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### **Appreciation Of Poem**

Figures of speech

### **Grammar Activity**

Grammar transformation

### **Grammar Activity**

Grammar transformation

### **Group Discussion**

Argumentative topic to be given

### **Summarising**

Paragraph given

## Environmental Edu. - Theory

### XI

#### Climatic Changes

Change in the climatic conditions-- biodiversity

#### Disaster

Flood, landslides, earthquake, etc

#### Energy

Renewable & non-renewable sources

#### Environmental Development

Through newer technologies

#### Environmental Pollution

Air, water, soil, & land etc

### XII

#### Biodiversity

Genetic diversity, species diversity, ecosystem diversity

#### Environmental Management

Water management, water privatization, rain water harvesting

#### Sustainable Agriculture

Irrigation, types, drip irrigation vs sprinkle irrigation

#### Sustainable Development

Economy vs environment, biofuel crops

## Environmental Science - Theory

### JrKG

#### Animal Kingdom

#### Body

#### Calendar

#### Clock

#### Collage Work

#### Colouring

#### Conversation

#### Craft

#### Do As Directed

#### Drawing

#### Festivals

#### Food

#### Homes

#### Opposites

#### Plant Kingdom

#### Recognition

#### Revision I Term

#### Revision II Term

#### Signal

#### Transportation

### SrKG

#### About Me

My self, my body, my family, good habits, learning through five senses

#### Activity Based Learning

Frank items

#### Air

Air

#### Animal Kingdom

Domestic, farm, wild animals, uses, food, shelter, family aspects, types of birds and insects

#### Celebrations

Social values

#### Colours And Shapes

Knowing and identifying colours and basic shapes

#### Developing Motor Skills

Fine motor skills

#### Drawing

#### Evs Lab

#### Our Neighbourhood

Different types of services around us, our helpers, celebrating festivals

#### Our Universe

Sun moon stars, planets and day & night concept

#### Plant Kingdom

Growth of the plants, parts of the plants, fruits and vegetables

#### Seasons

Different types of seasons and clothes

#### Time

Time concept

#### Transportation

Stone age man, invention of wheels, 5 ways of transport, types of vehicles, need of transportation

#### Water

Water cycle and uses

### I

#### Air

General information about air. Uses

#### Animal Life

Types-land, air, water animals. Domestic & wild food & shelter for animals

#### Health & Me

Healthyfood, good eating habits, cleanliness, sense organs,

## Plant Life

Plants around us, leaves & flowers, fruits & vegetables, plants grow from seeds.

## Revision

Revision of taught concepts

## Safety And Environment

Safety on road, home, school

## The Universe

Basic information about sun, moon, stars, earth

## Things Used In Daily Life

Materials like metal, wood, rubber, plastic, paper, cloth, glass & clay used in daily life

## Water

Sources & uses of water

---

## II

---

### Air

Physical properties of air

### Animal Life

Wild & domestic animals their food & shelter

### Light

Reflection, shadow

### Materials We Use In Our Daily Life

What materials are used in different things we use everyday.

### Our Food And Human Body.

Daily food we eat, why we eat, healthy ways of eating. Bones and skeleton gen info.

### Our Surroundings

Things around us env.

### Plant Life And Their Value In Human Life

Types of plants, uses

### Revision

### Safety

Safety on road, school, home

### The Universe

Sun, phases of moon, stars, earth, day & night

### Water

Gen properties, uses, sources.

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## III

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### Animal Life

Eating habits of animals, their physical structure and nesting habits of birds

### Energy And Technology

Light sound and forces

### Environment

Biological factors- pollution, weather, water cycle

### Human Body

Physical structure of human body

### Non Living

Soil, and its type, rocks, different materials and types of houses

### Plant Life

Parts of plants

### Revision

## Safety And Environment

Safety and first aid

## The Universe

The sun moon and stars, rotation and revolution of the earth

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## IV

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### Animal Life

Adaptation in animals and reproduction

### Environment

Air, water and weather and environment

### Human Body

Structure of human body, teeth and food

### Non-living Things

Matter, our clothes and force, work and energy

### Plant Life

Adaptation in plants and how plants make food

### Revision

### Safety & Environment

Safety and first aid

### The Universe

Solar system, revolution and rotation of earth

---

## General Sciences - Theory

---

## V

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### Environment-hazards And Conservation

The environment-ecology, pollution, natural resources, soil erosion and conservation, natural calamities

### Fauna

Animal life-different methods of breathing, movement, eating habits, migration

### Flora

Plant life-reproduction from stem, leaves, roots seeds, crops

### Human Body

Bones and muscles-skeletal system, its parts, joints, muscular system, the nervous system-its parts, sense organs, safety and first aid, food and health-nutrients, a balanced diet, diseases

### Machine

Simple machines-types, weight and volume, floating and sinking, Archimedes' principle

### Mother Planet

Living things-characteristics, interdependence in nature, rocks and minerals-types, air-properties, water-removal of impurities in water, and weather

### Revision

### Universe

The moon-surface, movement, phases, eclipses-solar, lunar, artificial satellites

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## VI

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### Applied Science

Science in everyday life and its branches, cloth materials-their classification, matter-their states, properties, cleaning food-separation methods

### Change

Physical and chemical changes and their characteristics, reactions, solubility

### Ecology

Natural resources-their types and uses, air and water-conservation, rain- the water cycle, states of water, thunder and lightning, waste management-types of waste and their disposal, recycling

### Forms Of Energy

Electricity-conductors and insulators, magnets-their properties, light-its sources, shadows and images, measurement-units, motion-types

### Life

The world of the living-their characteristics, biotic and abiotic components, types of habitats, plants-form and function, movement in animals-the human skeleton, food-nutrients and sources, diseases

### Revision I

### Revision II

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## VII

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### Applied Science

Animal fibres, measurement of time.  
Animal fibre, measurement of time.

### Ecology

How soil and climate affect living things, natural phenomena and resources.

### Forms Of Energy

Heat and its effect, transfer of heat, electric current and circuit, light.

### Life Processes

Food and nutrition, respiration, circulation, excretion, reproduction.

### Matter

Structure of matter, acidic-basic-neutral-material, how things change

### Revision-1

Natural phenomena and resources, food and nutrition, respiration, circulation, reproduction, light

### Revision-2

Animal fibre, measurement of time, structure of matter, heat and its effect, acid-base-neutral-substances, transfer of heat, electric current and circuit.

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## VIII

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### Abiotic Component Of Earth

Metals and nonmetals.

### Antariksha

Universe.  
Universe

### Applied Chemistry

Synthetic fibres and plastic, fuels and combustion.

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## Disaster And Its Management

Earthquake, water pollution, conservation of forest and animal life.

### Forms Of Energy

Mechanical-force and pressure, sound, electric charges and current.

### Life On Earth

Micro-organism, cell, reproduction, crop-production.

### Light

Reflection and dispersion of light.

### Revision-1

Universe, micro-organism, cell, reproduction, crop production, metals- nonmetals, pollution, conservation of forest.

### Revision-2

Force and pressure, electric charges and current, sound, reflection and dispersion of light, synthetic material, fuels and combustion.

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## IX

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### Biology In Human Welfare

Health, types of disease, prevention of infectious disease, green & white revolution, better crop yield, crop plants, cropping pattern, crop rotation

### Ee

Environmental studies---abiotic & biotic components

### Energy

Work, energy-kinetic & potential, law of conservation of energy, power, sound waves, characteristics of sound, reflection of sound, reverberation

### Matter

States & properties of matter, elements, compounds, mixture, Thomson's & Rutherford's atomic model, valency, chemical formula of compounds

### Motion

Moving object, displacement, velocity, acceleration, uniform circular motion, force & motion, Newton's law of motion, conservation of momentum

### Revision

Study of tissue

### Taxonomy

Bionomial nomenclature, kingdom - monera, protista, fungi, plantae, animalia

### Tissue

Cell, cell theory, diffusion, osmosis, cell organelles - nucleus, ER, Golgi apparatus, lysosomes, plastids, plant tissue - meristematic & permanent, animal tissue - epithelial, connective, muscular

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## X

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### Applied Science

Biotechnology.

### Composition Of Substances

Metals and nonmetals, compounds of metals and nonmetals, chemistry of carbon compounds,

### Ee

Conservation of resources, pollution.

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## Energy

Types of energy, heat, current electricity, effect of electric current, energy sources. Modern physics

## Health

Nutrients, food and food adulteration, diseases and disorders, human health and hygiene. Food spoilage and wastage.

## Mechanics

Power.

## Physical Chemistry

Classification of elements, electrolysis, strength of some solution.

## Revision

### revision

Board question papers.

## Waves & Motion

Sound, light.

## Focal Length Of Convex Lens

## Food Adulteration

## Identification Of Vitamins

## Microscopic Slides

## Ohms Law

## Preparation Of Co<sub>2</sub>

## Preparation Of H<sub>2</sub>s

## Preparation Of N<sub>h</sub>3

## Presence Of Cl, Br, I In Powder

## Presence Of Cl, Br, I In Solution

## Reflection Of Sound Waves

## Refractive Index Of Glass Slab

## Resistance In Parallel

## Resistance In Series

## Volumetric Titration

## General Sciences - Lab

### IX

#### Adaptation

#### Archimedes Principle

#### Detection Of Anions-dry tests

#### Detection Of Anions-wet Tests

#### Displacement Reaction

#### Double Decomposition

#### Evolution And Absorption

#### Factors Affecting Rate Of Reaction

#### Gravitational Mass

#### Heat Absorption And Radiation

#### Lateral Displacement Of Light

#### Oil Column

#### Ph Paper

#### Reflection Of Sound Waves

#### Refraction Prism

#### Resistor And Diode

#### Sexual And Asexual Reproduction

#### Simple Pendulum

#### Slide Preparation

#### Static Friction

### X

#### Body Mass Index

#### Determination Of Carbohydrates, Proteins, Fats In Given Food sample

#### Electrolysis Of Copper Chloride

#### Electrolytes And Non-electrolytes

#### Energy Received From Sun

## Geology - Theory

### XI

#### Economic Geology

Iron ore, manganese ores, aluminium, lead, etc

#### Geological Organisations

State government & central government organizations

#### Geomorphology

Ice, wind, seawaves, running water.

#### Interior Of The Earth

Origin of the earth, different hypothesis regarding the structure of the earth.

#### Introduction To Geology

Definition & information about the earth science.

#### Mineralogy

Rock forming minerals----silicate groups

#### Natural Geologic Activity

Weathering & soil

#### Petrology

Igneous, sedimentary, & metamorphic rocks

#### Stratigraphy Of Maharashtra

Geology of the peninsular India

### XII

#### Applied Geology

Study of ground water, remote sensing & geological information system

#### Dynamic Geology

Earthquakes, volcanoes, mountains & natural hazards & disasters

## **Economic Geology**

Ore minerals, industrial minerals, gangue, tenor of ore.

## **Mineralogy**

Definition & the different minerals groups- silicate minerals & the other minerals.

## **Palaeontology**

Study of fossils, condition & modes of preservation & uses

## **Petrology**

Igneous, sedimentary & metamorphic rocks with their description.

## **Stratigraphy**

Principles, correlation & its methods, & the stratigraphy of the peninsular india

## **Structural Geology**

Outcrop, dip & strike, fold, fault, joints, unconformity

## **Geology - Lab**

### **XI**

#### **Economic Geology (Set2)**

Ore minerals

#### **Field Instruments (Set2)**

Field geology---- knife, pocket lens, etc

#### **Geomorphology (Set1)**

Study of ice, wind, seawaves, running water

#### **Mineralogy (Set2)**

Rock forming minerals

#### **Specific Gravity (Set3)**

Sp. Gr. Of minerals & rocks

#### **Stratigraphy (Set3)**

Study of peninsular india

#### **Toposheets (Set3)**

Tools of toposheets

### **XII**

#### **Economic Geology (Set-1)**

Iron ores, manganese ore, lead ore, aluminium ores, chromium ore.

#### **Mineralogy**

Silicate minerals---- rock forming

#### **Petrology (Set-1)**

Igneous, sedimentary & metamorphic rocks.

#### **Stratigraphy (Set-3)**

Geological time scale

#### **Structural Geology (Set-2)**

Folds, fault, joint & unconformity

#### **Topography (Set-3)**

Horizontal bed maps.

## **Hindi (L3) - Language**

### **V**

**Adjective**

**Collective Noun**

**Consonants**

**Gender**

**Idioms**

**Mixed Alphabets**

**Noun**

**Number**

**Number Names**

**Opposite Words**

**Paragraph Writing**

**Picture Story**

**Pronoun**

**Revision**

**Sentences**

**Sentences Formation**

**Synonyms Words**

**Tense**

**Verb**

**Vowels**

**Words**

### **VI**

**Ekanki**

**Gadya**

**Kaal (Tense)**

**Kahani**

**Kahani Lekhan**

**Karak**

**Kavita**

**Kriya(Verb)**

**Ling**

**Muhavare (Phrases)**

**Naam (Noun)**

**Oral**

**Rachna-abhyas: Shabd Prayog**

**Rivision**

**Samanarathi**

**Sarvnaam (Pronoun)**

**Savnaam (Pronoun)**

Varta  
Visheshan (Adjective)  
Wakya-sarachana (Sentence Formation)

## VII

Avikari Shabd (Avyay)  
Bhasha Lipi  
Ekanki  
Gadya  
Kaal (Tense)  
Kahani  
Kavita  
Kriya (Verb)  
Naam (Noun)  
Nibhandh  
Patra-lekhan  
Rivision  
Sarvnaam (Pronoun)  
Shabd Aur Uske Bhed  
Varn Aur Vartani  
Visheshan (Adjective)  
Wakya-sarachana (Sentence Formation)

## Hindi-Sanskrit (L3) - Hindi Language

### IX

Avyay  
Essay  
Kal  
Karak  
Letter Writing  
Vakya Ke Prakar  
vakya Ke Prakar

### X

Avyay  
Essay  
Kal  
Letter Writing  
Muhavare

## Hindi-Sanskrit (L3) - Sanskrit Language

### IX

Compound  
Gerund & Infinitives(Adverb)  
Imperative & Potential Mood  
Noun  
Past & Potential Participle  
Pronoun  
Roots Of Second Group  
Sandhi  
Special Usages Of Cases  
Voice

### X

Absoute Locative  
Causative Construction  
Compound  
Forms Of Second Group  
Noun & Pronoun  
Numerals  
Past & Potential Participle  
Past Perfect & Second Future  
Sandhi  
Special Usages Of Cases

## Hindi-Sanskrit (L3) - Language

### VIII

Avyay  
Cases  
Essay  
Genders  
Indeclinables  
Karak  
Kriya Ke Prakar  
Letterwriting  
Muhavare-kahavat  
Noun  
Pronoun  
Pronouns In Sanskrit  
Pronounsations  
Punctuation

**Roots And Their Meanings, Their Changing Of Pada**

**Sandhi Niyam**

**Sanskrit Alphabets**

**Sanskrit Reading And Writing**

**Tense**

**Tenses**

**Types Of The Sentence**

**Uddeshya-vidheya**

**Varnamala**

**Verbs, Pp Present, Ap Present Tense**

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## IX

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**Compound**

**Ge1 Nouns & Imperative Mood**

**Ge2 Ending In T, S & Potential**

**Ge3 Forms Of Roots Ya, As, Kru**

**Past & Potential Participle**

**Sandhi & Special Usages Of Cases**

**Voice**

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## X

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**Absolute Locative**

**Compound**

**Forms Of The Root Class2, 3, 5, 7, 8, 9**

**Noun And Pronoun Anya**

**Numeral And Causative Construction**

**Perfect Tense And Second Future Tense**

**Potential And Past Pasive Participle**

**Sandhi**

**Special Usage Of Cases**

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## Humanities Lab - Lab

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## I

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**Animal Life**

Food for animals

**Associating Words**

Birthday party, circus-eng/marathi

**Earth And Man**

1. Different rooms 2. Types of houses

**Idioms And Phrases**

Meanings

**Listening Comprehension**

Story-eng/marathi

**Loud Reading**

Story-eng/marathi

**Model Reading**

Story-eng/marathi

**My Family**

Family members

**My Self**

Healthy food

**Our Country**

1. Religious festivals. 2 national festivals, our school & places near it

**Our Universe**

Sun, moon and stars, our planet

**People And Occupation**

People who help us-eng/marathi

**Picture Reading**

Picture-eng/marathi

**Puzzles / Crossword**

Opposites, fruits and vegetables-eng/marathi

**Recitation**

Poem recitation

**Revision**

Revision of portion

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## II

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**Culture**

Places of worship

**Festivals**

National/religious

**Important Invention And Uses**

Wheel, fire clock,

**Listening Comprehension**

Comprehend, answer the questions

**Loud Reading**

Reading lessons, passages or stories

**Our Earth & Its Features**

To know our earth, land forms

**Our Environment**

Our neighbours

**Our Social Life**

Our helpers, local bodies

**Picture Reading**

Observe picture and converse

**Puzzles/crossword**

Relate given picture

**Recitation**

Poema dsong recitation

**Revision**

Revision

**Things We Need In Daily Life**

Our daily needs

**Values Of Great Leaders.**

Our nation leaders

## **Vocabulary**

Word formation

## **Writing**

Writing practice

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## **III**

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### **Classification**

Classifying given words into given groups animals persons

### **Comprehension**

Observe picture and answer questions

### **Discoveries**

Great inventions and discoveries

### **Districts**

Thane district

### **Knowing Our Country**

Our states, maharashtra, culture

### **Listening Skill**

Story telling

### **Local Government**

Schools, hospitals, postoffices

### **Loud Reading**

Pronunciation, speed, punctuations

### **Our National Leaders**

Shivaji maharaj

### **Our Helpers**

Our society and people who help us

### **Picture Reading**

Observe the given picture and tell sentences

### **Recitation**

Rhythm, actions

### **Recognition**

Puzzles

### **Revision**

Revision

### **Safety & Environment**

Rules to follow for safety

### **The Universe**

Our earth and solar system

### **Vocabulary**

Word formation

### **Word Games**

Fun with words, word grids

### **Writing**

Hand writing practice

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## **IV**

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### **Agricultural Industry**

Agriculture in maharashtra

### **Composition**

Description of pictures or things

### **Cultural Heritage**

Culture of maharashtra

### **Environment**

Our surroundings

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## **Framing The Sentences**

Write sentences from given words

## **Great Personalities**

National leaders and saints

## **Knowing Our Country**

India physical and political

## **Listening Skill**

Story telling

## **Loud Reading**

To test pronunciation, speed, punctuations

## **Our Civic Life**

Government bodies

## **Picture Reading**

Sentence formation

## **Plant Life**

Natural wealth

## **Recitation**

Poems, songs

## **Recognition**

Picture puzzles

## **The Universe**

Solar system

## **Transport & Communication**

Modes of transport

## **Vocabulary**

Surfix, prefix, opposites

## **Writing**

Sentence, paragraph writing

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## **V**

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### **Building Up Vocabulary**

### **Climate**

### **Debate**

### **Elocution**

### **Environment**

### **Grammar Based Activity**

### **Guided Composition**

### **Healthy Life & Living With Machines**

### **International Peace And Brotherhood**

### **Listening Comprehension**

### **Maps**

### **Paragraph Writing**

### **Picture Composition**

### **Story Writing**

### **Struggle For Independence**

### **Transport & Communication**

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## **VI**

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### **Building Up Vocabulary**

### **Debate**

### **Different Landform And Life**

Elocution  
Grammar Based Activity  
Guided Composition  
Indian Legacies  
Listening Comprehension  
Maps  
Note Making  
Paragraph Writing  
Picture Composition  
Relative And Absolute Location  
Sources From History  
Story Writing  
Unity In Diversity  
Wildlife Conservation

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## VII

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Administration Of India  
Celebration Of Festivals  
Composing A Poem  
Cross Word Puzzles  
Debating  
Ecological Imbalance  
Group Discussion  
Guided Composition  
Idioms & Phrases  
India & The World  
Keeping The Flag Flying  
Listening Comprehension  
Love Your Studies  
Map Filling  
Note Making  
Paraphrasing  
Recitation  
Storywriting  
Summarising

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## VIII

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Composing A Poem  
Crossword Puzzles  
Debating  
Group Discussion  
Guided Composition  
Idioms & Phrases  
Importance Of Different Arts  
Knowing The Earth  
Knowing The World Through Map

Listening Comprehension  
Our Constitution  
Our Defence System  
Our Policies And Modifications/amendments  
Paraphrasing  
Recitation  
Social Awareness  
Story Writing  
Summarising  
World As A Global Village

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## IX

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Avyay  
Change The Voice  
Compound  
Creative Writing  
Debate  
Drama Persentation  
Essay  
Gerun & Infinatives  
Grammmar Sentences  
Group Discussion  
Imperative Mood  
Kal  
Karak  
Language Games  
Letter Writing  
Letterwriting  
Listning Skills  
Loud Reading  
Narration Of Speech  
Notice Writing  
Noun & Pronoun  
Paraphrasing  
Parsing Of Verb  
Participals  
Poetry Reading  
Potential Mood  
Previous Knowledge  
Revision  
Reading  
Loud reading  
Sandhi  
Sankalapana Spashta Karane  
Grammar shabadancha jati  
Unseen  
Utara Lekhan

## Vakya Ke Prakar

### X

Absolute Locative  
Causal Construction  
Clauses  
Compound  
Creative Writing  
Debate  
Essay  
Forms Of Verbs Of Second Group  
Group Discussion  
Indiclinibles  
Language Games  
Letter Writing  
Letter Writing  
Letter writing  
Listening Skills  
Nouns & Pronouns  
Numerals  
Paragraph Writing  
Participles  
Perfect & Future Tense  
Picture Reading  
Previous Knowledge  
Revision  
Reading  
Loud reading  
Report Writing  
Sandhi  
Sankalpana Spashta Karane  
Transformation of the sentence  
Sankalpana Spashta Kara  
Gender  
Summarizing  
Synthesis Of Sentence  
Unseen Comprehension  
Unseen -eng Into Sansk  
Unseen Translation-sanskrit To Eng

### XI

Creative Writing  
Debate  
Essay Writing  
Group Discussion  
Letter Writing  
Note-making  
Paragraph Writing

Paraphrasing  
Report Writing  
Summarizing  
Tree Diagram  
Unseen Comprehension

### XII

Composition-first Person Usage  
Debate/discussions  
Essay, Narration Of Story  
Figures Of Speech, Poetic Devices  
Information Transfer  
Leaflet Writing  
Letter Writing  
Note Making, Summarising  
Other Written Communication  
Revision

## Information Tech. - C - Theory

### XI

Accounting  
Tally  
Database  
File & Disc Utilities  
Information Technology  
Internet & World Wide Web  
Kjhdckjakhjakjahdsa  
Multimedia  
Office Suite  
Web Page Designing  
Html

### XII

Accounting  
Tally- overview of accounting s/w solution and introduction to tally s/w, working nwith creating company.  
Cyber Laws & Ethics  
Cyber laws & ethics- moral, ethics and laws, need for ethics culture, information service, introduction to cyber laws  
Data Management  
Ms-access- study of ms-access screen, creating a simple database, relationships, query.

## E-commerce

E-commerce trade cycle, electronic market, electronic data exchange, inter commerce, security issues.

## Multimedia Systems

Images and audio video formats-types of images, interlaced image, types of audio formats, types of video formats

## Networking

Introduction to networking-network, types of n/w, types of cabling, network components

## Webpage Designing

Html-basic tags in html, frames, image mapping, forms, embedding sound and video, cross browser testing, css

# Information Tech. - C - Lab

## XI

### Accounting

### Database

### File & Disc Utilities

### Information Technology

### Internet & World Wide Web

### Office Suite

### Web Page Designing

## XII

### Accounting

Tally

### Database Management

Ms-access

### Images & Audio-video Formats

Image conversions

### Webpage Designing

Html

# Information Tech. - S - Theory

## XI

### Client Side Scripting

### Information Technology

Definition of it

Application & limitations of it

Examples of it in everyday life

Review of computer hardware & user interface

### Internet & World Wide Web

### Multimedia

### Networking

## Office Suite

## Programming Language

## Web Page Designing

## XII

### Cyber Laws & Ethics

Cyber laws & ethics- moral, ethics and laws, need for ethics culture, information service, intro to cyber laws

### Database

Ms-access & sql server

### E-commerce

E-commerce trade cycle, electronic market, electronic data exchange, inter commerce, security issues.

### Webpage Designing

Html-basic and advance tags, css, forms, asp using vbscript-concepts in vbscript, introduction to asp, asp objects and properties, programming, javascript-intro, objects, events event handling, validations.

# Information Tech. - S - Lab

## XI

### Client Side Scripting

### Information Technology

### Internet & World Wide Web

### Office Suite

### Programming Language

### Web Page Designing

## XII

### Database

Ms-access & sql server

### Webpage Designing

Html, asp, javascript

# Integrated Science Lab - Lab

## I

### Air

Properties of air, uses

### Basic Apparatus

Introduction of apparatus used in lab

### Fruits

Shape, colour, r taste, seeds

### Geometric Shapes

Basic shapes- square, triangle

**Heat**

Transfer of heat

**Leaf**

Shapes of leaves, size

**Light**

Shadow formation

**Matter**

What is soluble & insoluble

**Multiplication**

Multiplication with help of addition

**Our Senses**

Our sense organs & their uses

**Water**

Methods of filtration

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**II**

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**Air****Alum****Bones And Muscles****Calendar****Condensation****Evaporation****heat****Filteration****General Discussion****Houses****Light And Shadow****Plants****Seeds Contain Oil****Soluble Or Insoluble**

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**III**

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**Application Of Numbers****Force****Fraction****Geometry****Graphical Representation****Magic Writing****Magnetism****Measurement****Numbertheory****Operation On Numbers****Refraction****Soil****Thermal Change****Water**

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**IV**

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**Air****Decimal Systems****Estimating Problems****Factors And Multiples****Fractions****Geometrical Measurements****Geometry****Heat****Matter****Measurements****Mental Calculations****Operation On Numbers****Place Value Systems****Plant Life****Properties Of Air****Representation Of Numbers****Roman, Hindu-arabic Systems****Unitary Methods****Water**

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**V**

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**Applied Chemistry****Applied Science****Average****Decimal Multiplication****Decimal(Division)****Factors****Forms Of Energy****Fraction****General Discussion****Geometry(Measurment Of Angles)****Matter****Measurement****Mensuration****Ms In Day To Day Life****Multiples****Number Operations****Number System****Percentage****Preparing Number Line****Set****Simple Machine**

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**VI**

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**Average****Bill Preparation****Changes And Reaction**

Construction  
Decimal Operation  
Estimation Of Time  
Food And Health  
General Discussion  
Geometrical Constructions  
Geometrical Shapes  
Geometry  
Geometry (Dia, Cirum)  
Light  
Magnetic Force  
Measurements  
Mensuration  
Mensuration (Area & Perimeter)  
Ms In Everyday Life  
Operations On Nos  
Operaton On Fraction  
Plants  
Ratio And Proportion  
Seeds  
Set  
Square Roots  
Statatistics.  
Symmetry  
Use Of Magnet

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## VII

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2-d 3-d Shapes  
Algebraic Expression & Identities  
Applied Chemistry  
Applied Physics  
Average  
Congruence  
Construction (Triangle)  
Construction(Incircle & Circumcircle)  
Conversion Of Metric Units  
Co-ordinate Geometry.  
Decimal & Rational Nos.  
Division  
Ecology  
Exponents  
Flower  
General Discussion  
Heat  
Life On Earth  
Life Processes

Magnetism  
Mensuration  
Mensuration(Circumference)  
Mensuration(Vol. , Tsa, Csa)  
Number Theory(Number Line)  
Percentage  
Pythagoras Theorem  
Statistics  
Symmetry  
Understanding Shapes  
Variation

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## VIII

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Algebraic Expression  
Applied Chemistry  
Applied Physics  
Commercial Maths  
Construction I  
Construction li  
Co-ordinate Geometry  
Cube & Cube Roots  
General Discussion  
Geometry (Prop. Of Quadrilateral)  
Identites And Factorisation  
Identities & Factors  
Life Processes  
Light  
Linear Equations  
Mensuration I  
Mensuration li  
Mensuration(Area)  
Microscope  
Number Theroy & Number Line  
Power  
Properties Of 2d & 3d  
Reflection Of Figures  
Set Theory  
Square & Square Roots  
Statististics(Data Collection)  
Symmetry

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## IX

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Air Has Oxygen  
Algebra  
Archimedes Principle  
Circle

Commercial Mathematics  
Detection Of Anions  
Displacement Reactions  
Evolution & Absorption  
Factors Affecting The Rate Of Reaction  
Introductory Practicles  
Lateral Displacement Of Light  
Mensuration  
Number Theory  
Planes  
Quadrilaterals  
Resistor & Diode  
Seeds Contain Oil  
Simple Pendulum  
Statistics  
Sublimation  
Triangles  
Trigonometry  
Vernier Calliper

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## X

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Effect Of Heat On  $\text{CuSO}_4$  & Alum  
Electrolysis Of Copper Chloride  
Electrolytes & Non Electrolytes  
Evaporation  
Focal Length Of Convex Lens  
Food Adulteration  
Ohm's Law  
Preparation Of  $\text{CO}_2$  Gas  
Preparation Of  $\text{NH}_3$  Gas  
Presence Of Carbohydrates, Proteins & Fats In  
The Given Food  
Presence Of Cl, Br, I In Given Solution  
R. I. Of Glass  
Short Experiment  
Soluble Substances

## Marathi (L2) - Language

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### I

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#### Human Body

External parts of the body

#### Introduction Of Marathi Basic Letters

Strokes of basic letters

#### Knowing The Surroundings

General knowledge about the things surround us

#### Marathi Balgeete

Marathi badbad geete

#### Numbers

Numbers in marathi 1 to 10

#### Relation

Family relation

#### Revision

Revision of taught concepts

#### Story Telling

Small stories for children in marathi

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## II

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#### Human Body

External parts of the body

#### Introduction Of Marathi Basic Letters

Strokes of basic letters, loud reading

#### Knowing The Surroundings

General knowledge about the things surround us

#### Marathi Balgeete

Marathi badbad geete

#### Numbers

Numbers in marathi 1 to 10 oral

#### Relation

Amily relations their names in marathi

#### Revision

Revision of taught concepts

#### Simple Sentence Formation

'a' kar simple sentence formation by using 2, 3, 4, letter words & oral reading

#### Story Telling

Small stories for children in marathi

#### Word Formation

'a'kar words formation 2, 3, 4 letter words

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## III

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#### Formation Of Alphabets (Kana)

'aa kar' formation of letters by using kana & word formation by using aa kar

#### Formation Of Alphabets (Visarg)

Formation of letters by using visarg

#### Formation Of Alphabets(' O ' Kar)

Formation of letters by using 'o kar & word formation by using 'o kar'

#### Formation Of Alphabets(' U ' Kar)

Formation of letters by using 'u kar & word formation by using 'u kar'

#### Formation Of Alphabets(Anusvar)

Formation of letters by using 'am kar & word formation by using 'am kar'formation of letters by using 'am kar & word formation by using anuswar

## **Formation Of Alphabets(Aou Kar)**

Formation of letters by using 'aou kar' & word formation by using aou kar

## **Formation Of Alphabets(Matras)**

Formation of letters by using 'matras' & word formation by using 'matras'

## **Formation Of Alphabets(Rafar)**

Formation of word by using 'rafar'

## **Formation Of Alphabets(Velanti)**

Formation of letters by using 'velanti' & word formation by using 'velanti'

## **Formation Of Words**

2, 3, 4, letter word formation

## **Jodakshar**

Formation of word by using jodakshar

## **Reading & Writing Of Sentences**

Formation of simple sentence & reading & writing of sentence

## **Revision**

Revision of taught lesson

## **Strokes & Alphabets**

Strokes of basic alphabets

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## **IV**

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### **Adjectives**

Definition of adjectives with examples

### **Framing The Sentences**

Simple sentence formation by using 2, 3, 4, letter words

### **Gender**

Types of genders - masculine & feminine

### **Noun**

Definition of noun with examples

### **Opposites**

List of opposites

### **Poem**

Teaching a poem with a particular tune

### **Pronoun**

Definition of pronoun with examples

### **Revision**

Revision of taught concepts

### **Singular/plural**

One & many

### **Story Writing**

By giving some points

### **Synonyms**

List of synonyms

### **Tense**

Types of tenses with examples

### **Word Formation**

Revision of formation of words

### **Writing Barakhadi**

Revision of barakhadi

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## **V**

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## **Adjective**

Definitions, types, examples

## **Essay**

Parrot

## **Gender**

Masculine, feminine

## **Noun**

Definition, type, examples

## **Number**

Singular, plural

## **Phrase**

Phrases - meanings - use in sentences.

## **Pronoun**

Definitions, types examples

## **Punctuation**

Punctuation - marks

## **Revision**

All grammar

## **Story Writing**

Sasa and kasav

## **Tense**

Three types of tenses, and examples

## **Verb**

What is verb, forms of verbs

## **Vocabulary**

Words, meanings, synonyms, opposites

## **Words**

Words meanings, use in sentences.

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## **VI**

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### **Change The Tense**

Tense, types of tenses examples

### **Essay**

Pavsala

### **Jodshabad**

Jodkshare - jodshbda kase bantat ?

### **Phrase**

Phrases - meanings - use in sentences.

### **Prashnarthak Sentences**

Question tag - hokarathi sentences, nakarathi sentences

### **Revision**

All revision for grammar

### **Shabadsamuhabaddal Ek Shabada**

Words, use in sentences

### **Types Of Adjective**

Adjective, examples, types of adjective

### **Types Of Noun**

Noun, and types of noun, examples

### **Types Of Pronoun**

Definitions, types, examples.

### **Types Of Verb**

What is verb? forms of verbs

### **Viramchinhe**

Punctuation - marks

## Vocabulary

Words meanings use in sentences synonyms, opposites mixed words, one word for the group of words

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## VII

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### Avyaya

Examples

### Composition

Composition

### Comprehension

Unseen passage

### Essay With Points

Essay writing

### Kal-tenses

Types examples

### Kriyapad\_verb

Types, examples

### Kriyavisheshan

Examples

### Letter \_ Writing

Forml, informal

### Linga\_gender

Musculine, feminine

### Loud\_reading

Model reading

### Nam\_noun

Definetions, types, examples

### One Word For Many Words

Give one word for

### Revision

Grammer

### Samanartha Shabda

Synonyms words

### Sarvanam\_pronoun

Definetions, types, examples

### Vachan\_number

Eakvachan, anekvachan

### Virudh Arthache Shabda

Opposites

### Visheshan\_adjective

Types, examples

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## VIII

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### Analasys Of The Sentences

### Bhavartha Shourya

### Humanity

### Revision

### Rhyming Words

### Sankalpana Spasta Karne

### Story Writing

### Use The Phrases

### Vocabulary

## Vyaktichitra

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## IX

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### Analysis Of Sentences

### Idioms & Phrases

### Revision

### Samanya Roop

### Story Writing

### Vibhakti

### Vocabulary

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## X

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### Analysis Of Sentences

Sakalaca abhaysmarathice kahani chitra

Sakalcha abhyas, andhar pakhali, marathichi kahani, chaitrya

### Bhavarth

Kelani nirop tahan sagharsha

### Grammer

Amir savitribai phulesantavani

### Revision

### Story Writing

Aanghatha pretam

### Transfer Of Sentences

Hikadead tikade vihir shabada shastra shavas

### Use Of The Phrases

Sadana kaceci kimaya

### Vocabulary

Fulache ghoshta mi manus hoein famili tree

badalapurche ghr jivansagaram second lefatant ramarav

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## Mathematics - Theory

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### JrKG

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#### Alphabet Nos

#### Do As Directed

#### Learning Through Numbers

#### Reciting Of Nos

#### Revision Of I Term

#### Revision Of li Term

#### Writing Of Nos

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### SrKG

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#### Addition

#### Maths Lab

#### Numbers 1 To 100

## Numbers 1 To 50

### Revision (1st Term)

### Revision(1ind Term)

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## I

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### Advance Operations

L-14 learning the tables, also understanding the multiplication concept by making groups

### Applied Maths

L-10, 12 making them understand the coins and notes, also the time on the clock

### Basic Shapes

L-13recognising shapes of things, recognising 2-d and 3-d shapes

### Knowledge Of Numbers

L-2, 5, 8 introducing the numbers from 1 to 100, their place values

### Measurement

L-11 comparing and ordering objects according to their lengths, volumes and weights

### Operation Of Numbers

L-3, 6, 4, 7, 9 addition and subtraction of 1 and 2-digit numbers along with word problems

### Revision

Revision of taught concepts

### Vocabulary In Maths

L-1 making them perfect with the words like before, after and between  
L-1

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## II

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### Advance Operation

Terms & properties of multiplication & division.  
Multiplication & division of 2-digits by 1 digit no.

### Application Of Maths In Daily Life

Money-conversion, addition & subtraction. Reading time and calendar

### Fraction

Terms of fractions

### Geometry

Features of lines, plane and solid shapes

### Knowledge Of Numbers

2 & 3 digit numbers, their place value, expanded form & comparison.

### Measurement

Conversion, addition & subtraction of the units of length, weight and capacity.

### Operation On Numbers

Addition and subtraction of 2 & 3 digit numbers. Word problems

### Practice

Clearing doubts and revision

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## III

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### Application Of Numbers

L. 9 & 10; choosing the correct amount for buying a particular thing, recognising the time on 12-hr clock and 24-hr clock

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## Basic Figures And Shapes

L. No. 8 recognising names and features of 3-d shapes

### Fractions

L. No. 7 understanding a simple fraction as a part of group

### Graphical Representation

L. No. 14reading column graphs and type in data.  
Building cloumn graphs

### Measurements

L. No. 11, 12, 13 learning to use the units for measurement of different things, different weights, different volumes

### Number Theory

L. No 1, 2 knowledge of 4-digit nos. Place values, expanded forms

### Operation Of Numbers

L. No. 3, 4, 5, 6 developing speed and accuracy in various operations ans also deciding the various operations in various problems

### Revision

Revision of taught concepts

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## IV

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### Advanced Operations fractions

Unitary method, factores, multiples

### Decimal System

Decimal system, addition and subtraction of decimals

### Fractions

Types of fractions, comparision and conversion of fractions, addition and subtraction of fractions

### Geometry

Line, angles-types, comparision, measurements, construction, triangles, closed figures, quadrilaterals, circles

### Graphical Representation

Bar graph

### Measurements

Time-conversion, addition, subtraction, metric systems

### Mensuration

Perimeter and area

### Number Theory

Number system-place value, expanded form, rounding numbers

### Operation On Numbers

Addition, subtraction, multiplication, division

### Problem Solving

Tests 1, 2, 3, 4

### Revision1

### Revision2

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## V

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### Algebra

Terms and operation

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## Basic Concepts Of Geometry

Concepts and properties of lines, plane figures, construction of angles and basic shapes

## Fractions

Terms and operations

## Kind Of Numbers And Its Operations

Forming mathematical equations, uses of brackets and simplifying, rounding of numbers.

## Maths In Day To Day Life

Comparing and finding percentage, profit and loss, simple interest, preparing bills, reading railway time-table, temperatures

## Measurements

Conversion, operations and word problems of the units of length, weight and capacity, money

## Mensuration

Formulas and finding area and volume of regular and irregular shapes.

## Number Theory

Indian and international system, their place value, comparison of 7-10 digit numbers.

## Practice

Clearing doubts and revision.

## Statistics

Plotting and reading graphs and handling data

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## VI

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### Algebra

Terms involved, operations on algebraic expression

### Basic Concepts Of Geometry

Basic geometric shapes such as point, plane, line, angle, triangles, circle. Kinds of these shapes & their properties

### Fractions

Types of fractions, operations on it like addition & subtraction

### Kinds Of Numbers & Its Operations

Natural nos, whole nos, integers, decimal nos & various operations over it

### Mensuration

Area of regular & irregular shapes perimeter of triangle, square, rectangle,

### Number Theory

Place value chart: indian & international, numerals upto eight -nine digit, numeral names, place value,

### Revision

Revising skillwise qts

### Statistics

Reading & construction of bar graph, pictograph,

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## VII

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### Algebra

B

### Basic Concepts Of Geometry

### Commercial Maths

### Measurement

### Mensuration

## Operation On Numbers

## Revision

Revising skillwise

## Statistics

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## VIII

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### Algebraic Expressions

### Application Of Ms In Everyday Life

### Basic Concepts Of Geometry

### Mensuration

### Number Theory & Its Operations

### Revision

Revising skillwise qts

### Statistics

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## IX

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### Algebra

### Basic Concepts In Geometry

### Circle

### Commercial Mathematics

### Co-ordinate Geometry

### Equations

### Graphs

### Mensuration

### Planes

### Statistics

### Triangles

### Trigonometry

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## X

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### Algebra

### Commercial Mathematics

### Geometry

### Statistics

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## XI

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### Binomial Expansion

### Bivariate Frequency Distribution

### Combinatorics

### Determinants

### Differential Calculus

### Equations

### Integral Calculus

### Linear Inequalities

### Locus

### Logarithm

### Mathematical Induction

## Matrices

## Measures Of Dispersion

## Number System

## Relations, Correspondences & Functions

## Scalars & Vectors

## Sequences & Series

## Set Theory

## Trigonometry

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## XII

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### 3-d Geometry

Extension of plane co-ordinate geometry-lines & planes

### Differential Calculus

Limits & continuity of a function, differentiation & its application.

### Differential Equations

Formation of d. E. & its solution.

### Integral Calculus

Indefinite & definite integration & its application.

### Language Of Mathematics

Mathematical logic & boolean algebra

### Linear Programming

Formation of lpp & its graphical solution & simplex method.

### Locus

Pair of lines, circle, conics (parabola, ellipse, hyperbola)

### Matrices

Elementary transformations, methods of finding inverse of matrices, solution of system of equations by different methods

### Numerical Methods

Methods of interpolation, operators, methods of numerical integration.

### Probability

Problems based on the definition of probability, addition theorem, multiplication theorem, bay's theorem, probability distribution, expected value & variance of random variables

### Vectors

Position vectors, section formulae, application vectors.

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## Organisation of Comm. - Theory

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## XI

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### Aids To Trade

### External Trade

### Human Activities

### Internal Trade

## Modern Commercial Office

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## XII

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### Business Environment

Internal factors and external factors affecting business, swot analysis, political, social and legal business environment

### Management -i

Scope of management & principles

### Management -ii

Management functions, trends of management

### Private Sector

Sole trading concern, partnership firm, joint hindu family firm, joint stock company and co-operative society

### Public Sector

Departmental undertaking, statutory corporations and government company and its suitability

### Social Responsibilities Of Business

Consumer protection and social responsibilities of business towards various sections of society

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## Physical Education - Physical Training

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## JrKG

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### Exercises

Warm up, neck movement

### Individual Indoor

Bucketing the ball

### Individual Outdoor

Running, ball throw

### Team Indoor

Bowling

### Team Outdoor

Passing the ball, fire on the mountain

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## SrKG

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### Exercises

Warm up, neck movement

### Individual Indoor

Bucketing the ball,

### Individual Outdoor

Running, rabbit jump, frog jump

### Team Indoor

Bowling

### Team Outdoor

Fire on the mountain, landing on the moon

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## I

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## Exercises

Indoor Game - Individual

Indoor Game - Team

Outdoor Game - Individual

Outdoor Game - Team

Parade Drill

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## II

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### Exercises

Indoor Game Individual

Outdoor Game Individual

Outdoor Game Team

Parade Drill

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## III

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### Exercises

Indoor Game Individual

Outdoor Game Individual

Outdoor Game Team

Parade Drill

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## IV

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### Exercises

Indoor Game - Individual

Outdoor Game - Individual

Outdoor Game - Team

Parade Drill

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## V

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Indoor Game Individual

Indoor Game Team

Outdoor Game Team

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## VI

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Indoor Game - Individual

Indoor Game - Team

Outdoor Game - Individual

Outdoor Game - Team

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## VII

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Indoor Game Team

Outdoor Game Individual

Outdoor Game Team

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## VIII

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Indoor Game - Team

Outdoor Game - Individual

## Outdoor Game - Team

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## IX

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Indoor Game Team

Outdoor Game Individual

Outdoor Game Team

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## X

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Indoor Game - Team

Outdoor Game - Individual

Outdoor Game - Team

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## Physics - Theory

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## XI

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### Electromagnetism

Frictional electricity, current elec.

### Heat

Thermal expansion, thermal conductivity

### Mathematical Tools & Measurements

Addition, subtraction, product of vectors

### Mechanics

Uniformly accelerated motion along a straight line, velocity, equation of graph, time of flight

### Waves

Sound, light, em

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## XII

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### Electromagnetic Energy

Energy is neither created nor destroyed. It can be converted from one form to another. We are going to see different aspects of it. Here we will focus on electricity & magnetism & applications.

### Heat Energy

### electromagnetic Energy

Study related with pvt relation of gases, radiation will be done under this concept.

### Light Energy

Light has dual nature. We will focus wave aspect of light under this concept & its applications.

### Mechanical Energy

We will see kinematics, dynamics, forces involved in different types of motion & solid properties under this concept & its applications to micro & macro world.

### Sound Energy

Anything which vibrates produces sound. We will see different aspects & applications under this concept.

## Physics - Lab

### XII

Current Electricity  
Heat  
Magnetic Effect Of Electric Current  
Properties Of Matter  
Semiconductor  
Stationary Waves

## Sanskrit (L3) - Language

### VIII

Indeclinables  
Noun(Ending In A, Aa)  
Noun(Ending In E, Ee)  
Prifix  
Pronoun  
Sandhi  
Sanskrit Varnmala  
Story  
Verb (Past Tense)  
Verb(Present Tense)  
Verb(Usable Cases)

### IX

Compound  
Essay  
Ge2 Potential, Ending T, S  
Ge3 Forms Of Roots Ya As Kru  
Ge4 Gerund  
Letter Writing  
Nouns & Imperative  
Past & Potential Participle  
Sandhi, Special Usages  
Unseen Passages  
Unseen Verses  
Voice

### X

Absolute Locative  
Causative Construction

Compound

Essay

Forms Of Verbs Of Second Group

Indiclinables

Letter Writing

Noun & Pronoun

Numerals

Participles

Perfect Tense & Future Tense

Picture Reading

Sandhi

Unseen (Eng Into Sank)

Unseen Translation(Sank Into Eng)

## Secretarial Practice - Theory

### XI

Company Meetings

Joint Stock Company

Secretarial Correspondence

Structural Organisations Of A Company

### XII

**Correspondence**

Informing shareholders, debentures and depositors about allotment, regret, call, payment of dividend or interest etc

**Report Writing**

Director's report, committee report, annual report, progress report

**Role Of Secretary - Statutory Books**

Minutes book, books of accounts, annual return, register of members, register of debentureholders

**Role Of Secretary Boorosed Capital**

Invitation, allotment, repayment and renewal

**Role Of Secretary Owned Capital**

Procedure for application, allotment, calls on shares, forfeiture of shares, surender of shares, transfer of shares, transmission of shares, share warrant and share certificate

**Sources Of Capital**

Equity shares, preference shares, debentures, public deposit and ploughing back of profit

**Stock Exchange**

Organisation structure, types of brokers and functioning of stock exchange

## Social Sciences - History & Civics

### IX

#### Contribution Of Aryans, Arabs In The Field Of Social, Economical, Cultural, Scientific Life

Art, architecture, science developed by them

#### Democracy- The Best Form Of The Govt.

Nature of democracy.

#### Development Of A Man As Civilized Person

His duties and responsibilities

#### Effects Of Civilization And Expansion

Different empires faced the effects of civilizations and expansions in all fields

#### Effects Of Feudalism

Problems faced by different countries. E. Rome, Egypt, Greece

#### Man As A Creative Animal And Who Led His Life Towards Civilization

Different civilizations

#### Obtaining Citizenship Its Criteria

Rules for citizenship, domestic, international

#### Our Constitutional Rights & Duties

Fundamental rights & duties

#### Policies Of Secular, Democratic Countries For Better Administration

Directive principles of state policies

#### The Man As A Social And Intellectual Personality

Contribution of man in doing reformation

## Social Sciences - Geography & Economics

### IX

#### Action Of Natural Agencies

Action of the river system & their tributaries, drainage patterns, study of oceans & lakes

#### Agriculture In India

Natural vegetation & wild animals, vegetation ecology, areas reserved by the government for their protection.

#### Climate

Concept & origin of monsoon, the seasons, characteristics of monsoon rain & disaster resulting due to change in climate.

#### Disaster

Different kinds of disaster, its management & their effects

#### Economic Problems

Availability of resource & choice of technique

### Economy

Understanding an economy, inter-related economic activities

### Formation Of Soil

Importance of soil, types of soils found in different places, management & conservation of soil.

### Map Study

Elements of maps, field study & its importance

### Physiography Of India

India location & extent & shape, major physiographic divisions.

### Types Of Economy

Public sector, private sector, joint sector, mixed economy.

## Social Sciences - Theory

### I

#### Earth And Man

Life-style of early humans, shelters-humans, animals.

#### My Family

Relations, benefits, share and work

#### Myself

Personal development, awareness about neatness, healthy tips, ways of celebrating, school discipline and maintenance.

#### Occupation

Enable them to understand, recognise people concern with particular faculty and public sector.

#### Our Country

Knowledge about country, festivals celebrated.

#### Revision

Revision of taught concepts

### II

#### Effects Of Motion Of The Earth

Physical features of the earth, changes in seasons, directions and time

#### Environment

Biological factors: uses of water and preservation of water

#### Important Invention And Its Uses

Invention of wheel, means of transport from ancient to modern

#### Needs Of Human Being

Kinds of foods, habits of eating

#### Our Social Life

Social life, celebrating different festivals and places of worship and road safety

#### Our Universe

Physical features of the earth

#### Revision

#### Services In Our Life

Our neighbourhood and neighbourhood services

#### Things We Need To Protect Ourselves

Types of houses and clothes

## Values Of Life

Learning from others and learning from great leaders like mahatma gandhi

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## III

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### Discoveries

Fire, metals and wheel from state board text also

### Human Body

Food from indian states. 2. Clothes of all the states. Clothes and food of tribes of thane

### Knowing Our Country

Physical, festivals, metrocities

### Local Government

Local agencies like grampanchayat, municipal committee

### Our Helpers

General functions of teacher, doctor, police, postman,

### Revision

Revision of taught concepts

### Technology

Means of communications like post, telephone, mobile, radio, internet, satellite.

### Universe

Earth, planets, continents, oceans.

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## IV

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### Agricultural Industry

Major food crops and other crops, industry-types (maharashtra)

### Cultural Heritage

Enable to know our language, dance & music forms, arts and festivals.

### Great Personalities

Explain about religious leaders, social reformers, scientists-their deeds, work, more detail about them

### Knowing Our Country And Its Inhabitants

Physical, political

### Life Of People In Coastal Areas

Their diet, clothes, peculiar features-forts, palace. Food crops, etc

### Natural Wealth

Sources of water, providing water, types of soil, concept of soil erosion, types of forest & its conservation.

### Our Civic Life

Govt bodies, their work at different levels, functions. Our rights and duties.

### Revision

Revision of taught concepts

### Transport & Communication

Means of transport-road, railway, airway, waterways and sending msgs through different media

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## V

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### Climate Zones Of Our Earth

Weather & climate

## Healthy Life & Living With Of Machines

Use of machines

### Revision

### Struggle For Independence - India

Freedom fighters struggle

### The Earth

Globe, maps

### Transport & Communication

Ways of transport & communication

### United Nations

Its birth, work etc

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## VI

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### Diversity

### Divisions Of Earth

### Early Humans

### Earth & The Solar System

### Important Civilisation & States

### India & The World

### Making A Living

### New Beliefs

### Our Country- India

### Revision

### Structure Of Earth

### Types & Forms Of Government

### Understanding The Government

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## VII

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### Architecture As Power

### Creation Of An Empire

### Democracy

### Introduction-medieval Period In India

Medieval period in india-medieval history of india

### Man Made Environment

### Markets Around Us

### Natural Environment

### Political Development

### Regional Culture

### Revision

### Social And Cultural Development

### Type & Forms Of Govt

### Understanding Media

### Unpacking Gender

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## VIII

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### British Imperialism In India

His- 1-4, 5 -policies of british which ruined indian economy

## **Changes Done By Man On The Earth For His Settlements**

Geo-I-11, 12, 13, 14- human settlements and the formation of civilizations and occupation based on nature

## **Civics And Administration**

Civics-I-1, 2, 3-india's economical policy

## **Effects Of Different Landforms**

Eo-I-8changes in the soil and water and its reasons

## **Effects Of Geo. Discoveries**

His- I-3-the formation of british rule in india- the intention and effect

## **Effects Of The Earth's Movement**

Geo-I-5, 6, 7, formation of landforms, waterbodies, continents, types of rocks

## **Effects Of Weathering**

Geo-I-9, 10- agents of erosion

## **India As Free Republic**

His-I-15, 16 india wins freedom and its formation as democratic nation

## **Indian Renaissance**

His-I-6 to 14- the freedom struggle- non-co-operation way

## **Knowing The Earth's Interior**

Geo-I-4- the earth's crust and the changes occurs in it

## **Knowing The Other Countries**

Geo-15 to 19, continent of europe and major countries.

## **Maintaining Peace At World And Taking Responsibilities Of The Undeveloped Countries**

Civics- I-4 to 6-formation of UNO and its functions

## **Man As Civilized Human Being**

His- I-1, 2, - the age of renaissance and the effects of it

## **Physical Geography**

Geo-I-2, 3, mapping the earth and practical geography

## **Protection To Mankind**

Civics-I- 7- protecting man from the different wars, giving him rights to live freely on the earth.

## **Revision**

## **Space Technology**

Geo-I-1- applications developed by man to get knowl; edge of space.

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## **IX**

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## **Age Of Renaissance**

History- lesson 10, man's social, cultural, political and economical development

## **Civilization**

History- lesson-2, 3, 4, 5, settlements which turned to civilizations and their contribution

## **Disaster Management**

## **Evolution Of Life**

History- lesson-1 the evolution of man the stages of his development till age of metals

## **Geographical Discoveries**

History-lesson-8, 9-need for the geo. Discoveries, and new land

## **India As Democratic Nation**

Civics-5-meaning, need, and its importance

## **India As Sovereign State**

Civics- lesson-3, fundamental rights and duties of every citizen as designed by our constitution

## **Individual And Society**

## **Man As A Civilized Person**

Civics- lesson-1, 2 meaning, its need, man as a citizen and its duties and responsibilities.

## **Medieval Europe**

History- lesson-6, 7, -life of the people in europe

## **Nature Of Indian Economy**

## **Policies Of Every States**

Civics- -4, policies of states which will have the economical, social, political and social freedom

## **Provisions Of Indian Constitution**

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## **X**

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## **Consumer Protection**

Factors leading to consumer exploitation, consumer protection,

## **Economic Development**

Concept & development

## **Manmade Resources**

Factories, science & technologies

## **Natural Resources**

Renewable & non-renewable sources of energy

## **Post War Events**

United nations

## **Practical Geography**

Maps & graphs

## **Revision**

United nations

## **The Events Changing The World**

Renaissance, reformation, revolution.

## **The Inflation Process**

Causes, & factors

## **The Structure Of The Indian Government**

Central, state union territory

## **The World Wars- Background, Events, Effects**

World wars

## **Types Of Economies**

## **Types Of Economies**

Mixed economy & private & public sector

## **Types Of The Government Bodies**

World trade organisation